

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S162	341	((spark ignition or spark-ignition or aviation) with (fuel\$1 or gasoline)) AND ((cycloparaffin\$3 or cycloalkane\$1 or mononaphthene\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/01 17:37
S163	209	((spark ignition or spark-ignition or aviation) with (fuel\$1 or gasoline)) AND ((cycloparaffin\$3 or cycloalkane\$1 or mononaphthene\$1) and ("5%" or "15%" or "10%"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/01 17:38
S164	16	((spark ignition or spark-ignition or aviation) with (fuel\$1 or gasoline)) AND ((cycloparaffin\$3 or cycloalkane\$1 or mononaphthene\$1) with ("5%" or "15%" or "10%"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/01 17:38
S165	15	((spark ignition or spark-ignition or aviation) with (fuel\$1 or gasoline)) AND ((cycloparaffin\$3 or cycloalkane\$1 or mononaphthene\$1) with ("5%" or "6%" or "7%" or "8%" or "9%" or "11%" or "12%" or "13%" or "14%" or "15%" or "10%"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/01 17:46
S166	16	((spark ignition or spark-ignition or aviation) with (fuel\$1 or gasoline)) AND ((cycloparaffin\$3 or cycloalkane\$1 or mononaphthene\$1) with ("5%" or "6%" or "7%" or "8%" or "9%" or "11%" or "12%" or "13%" or "14%" or "15%" or "10%"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/01 17:46
S167	1	("5544635").PN.	US-PGPUB; USPAT	OR	OFF	2009/06/02 16:04
S168	640	(208/15).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/02 16:19
S169	462	(208/15).CQLS.	US-PGPUB; USPAT	OR	OFF	2009/06/02 16:20

S170	168	(208/16).CCL.S.	US-PCPUB; USPAT	OR	OFF	2009/06/02 16:20
S171	205	(208/17).CCL.S.	US-PCPUB; USPAT	OR	OFF	2009/06/02 16:21
S172	704	S169 or S170 or S171	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/02 16:21
S173	143	S172 and (cycloparaffin\$1 or cycloalkane\$1 or mononaphthene\$1 or naphthene\$1 or cyclohexane\$1 or methylcyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1 or cyclononane\$1)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/02 16:22
S174	34	S172 and (cycloparaffin\$1 or cycloalkane\$1 or mononaphthene\$1 or naphthene\$1 or cyclohexane\$1 or methylcyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1 or cyclononane\$1) and (avgas or (aviation (fuel or gasoline\$1)) or spark-ignition\$1 or spark ignition\$1)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/02 16:23
S175	716	((("F4" or performance or supercharge) with (octane (number\$1 or rating\$1 or index\$2 or indic\$2)))	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 09:44
S176	153	((("F4" or performance or supercharge) with (octane (number\$1 or rating\$1 or index\$2 or indic\$2))) and ((aviation or jet or airplane or plane) with (fuel or gasoline) or avgas)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 09:45
S177	2	(AVGAS "100" LL)	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 09:46

S178	76	((("F4" or performance or supercharge) with (octane (number\$1 or rating\$1 or index\$2 or indic\$2))) and ((aviation or jet or airplane or plane) with (fuel or gasoline) or avgas) and (cycloparaffin\$4 or cycloalkane\$1 or naphthen \$3))	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 09:47
S179	2	("2409156").PN.	US-PCPUB; USPAT; USOCR	OR	OFF	2009/06/03 09:59
S180	870	(octane (number\$1 or rating\$1 or index\$2 or indic \$2)) and ((aviation or jet or airplane or plane) with (fuel or gasoline) or avgas) and (cycloparaffin\$4 or cycloalkane\$1 or naphthen \$3))	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 10:01
S181	252	(octane (number\$1 or rating\$1 or index\$2 or indic \$2)) and ((aviation or jet or airplane or plane) with (fuel or gasoline) or avgas) and (cycloparaffin\$4 or cycloalkane\$1 or naphthen \$3) and (isoparaffin\$1))	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 10:02
S182	218	S181 not S178	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 10:26
S184	9	("20020051747"   "4279781"   "4596782"   "5019547"   "5128307"   "5245096"   "5990040"   "6051163"   "6576217").PN.	US-PCPUB; USPAT; USOCR	ADJ	OFF	2009/06/03 14:04
S185	3	(incipient thermal cracking and visbreaking)	US-PCPUB; USPAT; USOCR	ADJ	OFF	2009/06/03 14:15
S186	12670	(performance number\$1 or PNs\$1 or supercharge number\$1 or supercharge rating\$1 or "F4" number \$1) and (aviation or airplane or jet)	US-PCPUB; USPAT; USOCR	ADJ	OFF	2009/06/03 15:31
S187	12844	(performance number\$1 or PNs\$1 or supercharge number\$1 or supercharge rating\$1 or "F4" number \$1) and ((aviation or airplane or jet))	US-PCPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 15:31

S188	1135	(performance number\$1 or PN\$1 or supercharge number\$1 or supercharge rating\$1 or "F4" number \$1) and ((aviation or airplane or jet) with (fuel \$1 or gasoline\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 15:32
S189	36	(performance number\$1 or PN\$1 or supercharge number\$1 or supercharge rating\$1 or supercharge number\$1 or "F4" number \$1) and ((aviation or airplane or jet) with (fuel \$1 or gasoline\$1)) and ((cycloparaffin\$1 or cycloalkane\$1 or naphthene \$1) and (isoparaffin\$1 or i-paraffin\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 15:33
S190	1	("3644196").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/03 15:48
S191	0	("2002045785").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/03 15:58
S192	1	("2002045785").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/03 15:58
S193	49	(performance number\$1 or PN\$1 or supercharge number\$1 or supercharge rating\$1 or supercharge number\$1 or "F4" number \$1) and ((aviation or airplane or jet) with (fuel \$1 or gasoline\$1)) and ((cycloparaffin\$1 or cycloalkane\$1 or naphthene \$1 or cycloaliphatic\$1) and (isoparaffin\$1 or i-paraffin \$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 16:03
S194	13	S193 not S189	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/03 16:03
S195	62	("ASTM D910") or ("ASTM D 910")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/06 10:51

S196	49	((("ASTM D910") or ("ASTM D 910")) and ((aviation or jet) (fuel or gasoline)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/06 10:54
S197	863	(performance OR "F4") AND (aviation fuel\$1)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:25
S198	1298	(performance OR "F4") AND (aviation (fuel\$1 or gasoline\$1))	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:26
S199	46	("F4") AND (aviation (fuel \$1 or gasoline\$1))	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:26
S200	18	("F4") AND (aviation (fuel \$1 or gasoline\$1)) and (mononaphthene\$1 or naphthene\$1 or mononaphthene\$1 or cycloparaffin\$1 or cycloalkane\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (saturated with cyclic\$1))	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:27
S201	195	((performance OR "F4") with (index OR number or rating)) AND (aviation (fuel \$1 or gasoline\$1))	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:28
S202	67	((performance OR "F4") with (index OR number or rating)) AND (aviation (fuel \$1 or gasoline\$1)) and (mononaphthene\$1 or naphthene\$1 or mononaphthene\$1 or cycloparaffin\$1 or cycloalkane\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (saturated with cyclic\$1))	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:29
S203	28	((performance OR "F4") (index OR number or rating)) AND (aviation (fuel \$1 or gasoline\$1)) and (mononaphthene\$1 or naphthene\$1 or mononaphthene\$1 or cycloparaffin\$1 or cycloalkane\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (saturated with cyclic\$1))	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 10:30

S204	367	(aviation (fuel\$1 or gasoline \$1)) and (cyclohexane\$1)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 12:00
S205	0	cycloparaffinic aviation fuel \$1	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 12:56
S206	1	cycloparaffinic with aviation fuel\$1	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 12:56
S207	3	cycloparaffinic same aviation fuel\$1	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 12:56
S208	604	((isoparaffin\$3 or i-paraffin \$3 or isoalkane\$1 or i-alkane\$1 or (branch\$3 with paraffin\$1) or (branch \$3 with aliphatic) and (cycloparaffin\$3 or cycloalkane\$1 or naphthene \$1 or (cyclic\$1 with aliphatic\$1) or (cyclic\$1 with paraffin\$1))) and (aviation)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 13:01
S209	562	S208 not S202	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 13:01
S210	291	((isoparaffin\$3 or i-paraffin \$3 or isoalkane\$1 or i-alkane\$1 or (branch\$3 with paraffin\$1) or (branch \$3 with aliphatic) with (cycloparaffin\$3 or cycloalkane\$1 or naphthene \$1 or (cyclic\$1 with aliphatic\$1) or (cyclic\$1 with paraffin\$1))) and (aviation)	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 13:02
S211	20	((isoparaffin\$3 or i-paraffin \$3 or isoalkane\$1 or i-alkane\$1 or (branch\$3 with paraffin\$1) or (branch \$3 with aliphatic) with (cycloparaffin\$3 or cycloalkane\$1 or naphthene \$1 or (cyclic\$1 with aliphatic\$1) or (cyclic\$1 with paraffin\$1))) and (aviation) not aromatic\$1	US-PGPUB; USPAT; USOCR; DERWENT	ADJ	OFF	2009/06/09 13:02

S212	38	(US-20020068842-\$ or US-20020175109-\$ or US-20020175107-\$ or US-20030183554-\$ or US-20030204986-\$ or US-20040020824-\$ or US-20040124122-\$ or US-20050000855-\$ or US-20070215519-\$ or US-20040144690-\$ or US-20060049080-\$ or US-20060243640-\$ or US-20020055663-\$ or US-20020045785-\$ or US-20020128332-\$).did. or (US-2032330-\$ or US-3660967-\$ or US-4834866-\$ or US-2761770-\$ or US-2626893-\$ or US-5288393-\$ or US-5312542-\$ or US-5593567-\$ or US-5653866-\$ or US-5837126-\$ or US-5718820-\$ or US-6007589-\$ or US-6165348-\$ or US-6187171-\$ or US-6338791-\$ or US-2993766-\$ or US-3268436-\$ or US-6776897-\$ or US-6461497-\$ or US-7416568-\$ or US-6309432-\$).did. or (US-2576071-\$ or US-2411582-\$).did.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 13:06
S213	341	(naphthene\$1 with "20%")	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 13:07
S214	38	(US-20020068842-\$ or US-20020175109-\$ or US-20020175107-\$ or US-20030183554-\$ or US-20030204986-\$ or US-20040020824-\$ or US-20040124122-\$ or US-20050000855-\$ or US-20070215519-\$ or US-20040144690-\$ or US-20060049080-\$ or US-20060243640-\$ or US-20020055663-\$ or US-20020045785-\$ or US-20020128332-\$).did. or (US-2032330-\$ or US-3660967-\$ or US-4834866-\$ or US-2761770-\$ or US-2626893-\$ or US-5288393-\$ or US-5312542-\$ or US-5593567-\$ or US-5653866-\$ or US-5837126-\$ or US-5718820-\$ or US-6007589-	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 13:07

		\$ or US-6165348-\$ or US-6187171-\$ or US-6338791-\$ or US-2993766-\$ or US-3268436-\$ or US-6776897-\$ or US-6461497-\$ or US-7416568-\$ or US-6309432-\$.did. or (US-2576071-\$ or US-2411582-\$).did.				
S215	15	S214 and (cycloparaffin\$1 or naphthene\$1 or cycloalkane\$1)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 13:08
S216	226	((208/16).CQLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 13:12
S217	1	((cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1)) and (isoparaffin\$3 or i-paraffin\$1 or (branched aliphatic\$1) or (branched paraffin\$1) or (branched alkane\$1)) and (aviation (fuel or gasoline))).ab.	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/09 13:18
S218	1	("3644196").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 13:24
S219	2	("3644196").URPN.	USPAT	ADJ	OFF	2009/06/09 13:24
S220	3	"3620961"	USPAT	ADJ	OFF	2009/06/09 13:25
S221	580	((("44").clas.) and (aviation (fuel or gasoline)))	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/09 14:03
S222	98	S221 and (cyclohexane\$1)	US-PGPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/09 14:03
S223	1	("20030119924").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/09 14:16
S224	0	("2003/0119924").URPN.	USPAT	ADJ	OFF	2009/06/09 14:19
S225	0	"10023876"	USPAT	ADJ	OFF	2009/06/09 14:19
S226	1	"10/023876"	USPAT	ADJ	OFF	2009/06/09 14:20



S227	215	(aviation (fuel\$1 or gasoline \$1)) AND (naphthene\$1 or cycloparaffin\$1 or cycloalkane\$1) AND (ether \$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/09 15:45
S228	2	(aviation (fuel\$1 or gasoline \$1)) AND (naphthene\$1 or cycloparaffin\$1 or cycloalkane\$1) AND (methyl t-butyl ether)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/09 15:46
S229	38	(US-20020068842-\$ or US-20020175109-\$ or US-20020175107-\$ or US-20030183554-\$ or US-20030204986-\$ or US-20040020824-\$ or US-20040124122-\$ or US-20050000855-\$ or US-20070215519-\$ or US-20040144690-\$ or US-20060049080-\$ or US-20060243640-\$ or US-20020055663-\$ or US-20020045785-\$ or US-20020128332-\$).did. or (US-2032330-\$ or US-3660967-\$ or US-4834866-\$ or US-2761770-\$ or US-2626893-\$ or US-5288393-\$ or US-5312542-\$ or US-5593567-\$ or US-5653866-\$ or US-5837126-\$ or US-5718820-\$ or US-6007589-\$ or US-6165348-\$ or US-6187171-\$ or US-6338791-\$ or US-2993766-\$ or US-3268436-\$ or US-6776897-\$ or US-6461497-\$ or US-7416568-\$ or US-6309432-\$).did. or (US-2576071-\$ or US-2411582-\$).did.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:47
S230	14	S229 and (ether\$1)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:48
S231	6	S229 and (ether\$1) and (naphthene\$1)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:48
S232	118	(aviation (fuel\$1 or gasoline \$1)) and (cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1)) and (olefin\$1 with increas\$3)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:50

S233	12716	((spark-ignition) or (spark ignition) or aviation) with (fuel\$1 or gasoline\$1)	US-PCPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:52
S234	1254	((spark-ignition) or (spark ignition) or aviation) with (fuel\$1 or gasoline\$1) and ((cycloparaffin\$3 or cycloalkane\$1 or naphthene \$1 or (cyclic with aliphatic \$1) or (cyclic with alkane \$1) or (cyclic with paraffin \$1)))	US-PCPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:52
S235	56	((spark-ignition) or (spark ignition) or aviation or aircraft) with (fuel\$1 or gasoline\$1) and ((cycloparaffin\$3 or cycloalkane\$1 or naphthene \$1 or (cyclic with aliphatic \$1) or (cyclic with alkane \$1) or (cyclic with paraffin \$1))) and ((aviation or aircraft) with ((spark-ignition) or (spark ignition)))	US-PCPUB; USPAT; USOCR	ADJ	OFF	2009/06/09 15:55
S236	53	(aviation (fuel\$1 or gasoline \$1) and (naphthene\$1 with ("15%" or "20%"))	US-PCPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 09:15
S237	15	("3224848").URPN.	USPAT	ADJ	OFF	2009/06/10 09:17
S238	15	("3224848").URPN.	USPAT	ADJ	OFF	2009/06/10 09:36
S239	3	S238 and (napthene\$1 or cycloparaffin\$1 or cycloalkane\$1 or cyclic\$1)	USPAT	ADJ	OFF	2009/06/10 09:37
S240	1	("4747933").PN.	US-PCPUB; USPAT; USOCR	OR	OFF	2009/06/10 09:52
S241	6	("100LL" OR "100 LL") AND (aviation or aircraft) AND (cycloparaffin\$1 or cycloalkane\$1 or cyclohexane\$1 or naphthene\$1)	US-PCPUB; USPAT; USOCR; FFRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 09:57
S242	2	("2411582").PN.	US-PCPUB; USPAT; USOCR	OR	OFF	2009/06/10 09:58
S243	4	("2411582").URPN.	USPAT	ADJ	OFF	2009/06/10 10:01
S244	1	("20030183554").PN.	US-PCPUB; USPAT; USOCR	OR	OFF	2009/06/10 10:16

S245	1237	((fuel or gasoline) AND (((cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic \$1) or (cyclic with alkane \$1) or (cyclic with paraffin \$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) with ("5%" OR "10%" OR "15%" OR "5 percent" OR "10 percent" OR "15 percent"))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 10:56
S246	60	(aviation with(fuel\$1 or gasoline\$1)) and (naphthene\$1 with ("15%" or "20%"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 10:56
S247	60	(aviation with (fuel\$1 or gasoline\$1)) and (naphthene\$1 with ("15%" or "20%"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 10:57
S248	99	(aviation with (fuel or gasoline)) AND (((cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic \$1) or (cyclic with alkane \$1) or (cyclic with paraffin \$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) with ("5%" OR "10%" OR "15%" OR "5 percent" OR "10 percent" OR "15 percent"))))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 10:57
S249	51	S248 not S236	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 10:58
S250	7	S246 not S236	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 11:04

S251	4	S250 not S249	US-PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 11:04
S252	1546	((208/14) or (208/15) or (208/16) or (208/17)). CQLS	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/10 11:08
S253	21788	("44").clas.	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:09
S254	240	S252 and S253	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:09
S255	23094	S252 or S253	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:09
S256	55	(S252 and S253) and ((cycloparaffin\$3 or cycloalkane\$1 or naphthene \$1 or (cyclic with aliphatic \$1) or (cyclic with alkane \$1) or (cyclic with paraffin \$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1))	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:09
S257	2405	S255 and ((cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1))	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:21
S258	166	S255 and (((cycloparaffin \$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) with ("5%" OR "6%" OR "7%" OR "8%" OR "9%" OR "10%" OR "11%" OR "12%" OR "13%" OR "14%" OR "15%" OR "5 percent" OR "6 percent" OR "7 percent" OR "8 percent" OR "9 percent" OR "10 percent" OR "11 percent" OR "12 percent" OR "13 percent" OR "14 percent" OR "15 percent"))))	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:24

S259	83	S255 and (((cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) near4 ("5%" OR "6%" OR "7%" OR "8%" OR "9%" OR "10%" OR "11%" OR "12%" OR "13%" OR "14%" OR "15%" OR "5 percent" OR "6 percent" OR "7 percent" OR "8 percent" OR "9 percent" OR "10 percent" OR "11 percent" OR "12 percent" OR "13 percent" OR "14 percent" OR "15 percent"))))	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 11:25
S260	1162	((((spark-ignition or spark ignition or internal combustion or internal-combustion or aviation or aircraft) with (fuel\$1 or gasoline\$1)) or avgas) AND (cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) AND (((isoparaffin\$3 or i-paraffin\$3 or isoalkane\$1 or i-alkane\$1 or (branch\$3 with paraffin\$1) or (branch\$3 with aliphatic))	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 12:11
S261	66	(((((spark-ignition or spark ignition or internal combustion or internal-combustion or aviation or aircraft) with (fuel\$1 or gasoline\$1)) or avgas) AND (cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) AND (((isoparaffin\$3 or i-paraffin\$3 or isoalkane\$1 or i-alkane\$1 or (branch\$3 with paraffin\$1) or (branch\$3 with aliphatic))	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 12:12

		\$3 or isoalkane\$1 or i-alkane\$1 or (branch\$3 with paraffin\$1) or (branch\$3 with aliphatic\$1)) not (aromatic\$1)				
S262	64	S261 not S249	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 12:14
S263	200	(44/454).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/10 12:24
S264	30	S263 and (cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1)	US-PGPUB; USPAT; USOCR	ADJ	OFF	2009/06/10 12:25
S265	767	(585/14).COLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/10 12:46
S266	183	S265 and (cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 12:46
S267	98	S265 and (cycloparaffin\$3 or cycloalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) and (((spark-ignition or spark ignition or internal combustion or internal-combustion or aviation or aircraft) with (fuel\$1 or gasoline\$1)) or avgas)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 12:47

S268	9	S265 and (cycloparaffin\$3 or cydoalkane\$1 or naphthene\$1 or (cyclic with aliphatic\$1) or (cyclic with alkane\$1) or (cyclic with paraffin\$1) or cyclohexane\$1 or cycloheptane\$1 or cyclooctane\$1) and (((spark-ignition or spark ignition or internal combustion or internal-combustion or aviation or aircraft) with (fuel\$1 or gasoline\$1)) or avgas) not (aromatic\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 12:47
S269	89	S267 not S268	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 12:50
S270	81	S269 not S264	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/10 12:51
S271	0	("9796745").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/06/11 12:18
S272	6	"09796745"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	OFF	2009/06/11 12:18

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presenting reduced aromatics levels and a high octane number.wsp